



Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/575,096
Source: IFWP
Date Processed by STIC: 4/24/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER** **VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	SERIAL NUMBER: <u>10/575,096</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <u>Wrapped Nucleics</u> <u>Wrapped Aminos</u>	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <u>Invalid Line Length</u>	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <u>Misaligned Amino Numbering</u>	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 <u>Non-ASCII</u>	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <u>Variable Length</u>	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <u>PatentIn 2.0 "bug"</u>	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <u>Skipped Sequences (OLD RULES)</u>	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <u>Skipped Sequences (NEW RULES)</u>	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <u>Use of n's or Xaa's (NEW RULES)</u>	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <u>Invalid <213> Response</u>	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <u>Use of <220></u>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <u>PatentIn 2.0 "bug"</u>	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <u>Misuse of n/Xaa</u>	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/575,096

DATE: 04/24/2006
TIME: 16:09:54

Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\04242006\J575096.raw

*see item 2 on
✓ Enn summary
sheet*

3 <110> APPLICANT: KYOWA HAKKO KOGYO CO., LTD.
5 <120> TITLE OF INVENTION: Process for the antibody composition using RNA
which inhibits a function
6 of a1,6-fucosyltransferase
8 <130> FILE REFERENCE: 11621WO1
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/575,096
C--> 10 <141> CURRENT FILING DATE: 2006-04-10
10 <150> PRIOR APPLICATION NUMBER: P2003-350167
11 <151> PRIOR FILING DATE: 2003-10-09
E--> 13 <160> NUMBER OF SEQ ID NOS: 35 (p.10)
15 <170> SOFTWARE: PatentIn Ver. 2.1

pp 1-246-10

ERRORED SEQUENCES

266 <210> SEQ ID NO: 5
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268 <212> TYPE: PRT
269 <213> ORGANISM: Cricetulus griseus
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273 1 5 10 15
275 Ala Trp Gly Thr Leu Leu Phe Tyr Ile Gly Gly His Leu Val Arg Asp
276 20 25 30
278 Asn Asp His Pro Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala
279 35 40 45
281 Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
282 50 55 60
284 Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Thr Ala Thr
285 65 70 75 80
287 Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys Ala Lys Glu Gln
288 85 90 95
290 Ile Glu Asn Tyr Lys Lys Gln Ala Arg Asn Asp Leu Gly Lys Asp His
291 100 105 110
293 Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe
294 115 120 125
296 Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys Lys Leu Glu Gly Asn Glu
297 130 135 140
299 Leu Gln Arg His Ala Asp Glu Ile Leu Leu Asp Leu Gly His His Glu
300 145 150 155 160
302 Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala
303 165 170 175
305 Gly Glu Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln
306 180 185 190

p.2
**Does Not Comply
Corrected Diskette Needed**

RAW SEQUENCE LISTING

DATE: 04/24/2006

PATENT APPLICATION: US/10/575,096

TIME: 16:09:54

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04242006\J575096.raw

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311 Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu
312      210      215      220
314 His His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly Thr Gln Arg Thr
315 225      230      235      240
317 Leu Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr Gly Gly Trp Glu
318      245      250      255
320 Thr Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp Arg Ser Gly Leu
321      260      265      270
323 Ser Thr Gly His Trp Ser Gly Glu Val Lys Asp Lys Asn Val Gln Val
324      275      280      285
326 Val Glu Leu Pro Ile Val Asp Ser Leu His Pro Arg Pro Pro Tyr Leu
327      290      295      300
329 Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Leu Arg Val His
330 305      310      315      320
332 Gly Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val Lys Tyr Leu Ile
333      325      330      335
335 Arg Pro Gln Pro Trp Leu Glu Arg Glu Ile Glu Glu Thr Thr Lys Lys
336      340      345      350
338 Leu Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp
339      355      360      365
341 Lys Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val
342      370      375      380
344 His Val Glu Glu His Phe Gln Leu Leu Glu Arg Arg Met Lys Val Asp
345 385      390      395      400
347 Lys Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Ser Leu Leu Lys Glu
348      405      410      415
350 Ala Lys Thr Lys Tyr Ser Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile
351      420      425      430
353 Ser Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg
354      435      440      445
356 Gly Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val
357      450      455      460
359 Cys Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln
360 465      470      475      480
362 Thr Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile
363      485      490      495
365 Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Val Tyr Pro
366      500      505      510
368 His Gln Pro Arg Thr Lys Glu Glu Ile Pro Met Glu Pro Gly Asp Ile
369      515      520      525
371 Ile Gly Val Ala Gly Asn His Trp Asn Gly Tyr Ser Lys Gly Val Asn
372      530      535      540
374 Arg Lys Leu Gly Lys Thr Gly Leu Tyr Pro Ser Tyr Lys Val Arg Glu
375 545      550      555      560
377 Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Glu Lys
E--> 378      565      570
381 <210> SEQ ID NO: 6

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578 ← insert

P.4

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/575,096

DATE: 04/24/2006

TIME: 16:09:54

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04242006\J575096.raw

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391      20              25              30
393 Asn Asp His Pro Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala
394      35              40              45
396 Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
397      50              55              60
399 Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Thr Ala Thr
400      65              70              75              80
402 Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys Ala Lys Glu Gln
403      85              90              95
405 Ile Glu Asn Tyr Lys Lys Gln Ala Arg Asn Gly Leu Gly Lys Asp His
406      100             105             110
408 Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe
409      115             120             125
411 Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys His Leu Glu Gly Asn Glu
412      130             135             140
414 Leu Gln Arg His Ala Asp Glu Ile Leu Leu Asp Leu Gly His His Glu
415      145             150             155             160
417 Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala
418      165             170             175
420 Gly Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln
421      180             185             190
423 Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Arg
424      195             200             205
426 Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu
427      210             215             220
429 His His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly Thr Gln Arg Thr
430      225             230             235             240
432 Leu Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr Gly Gly Trp Glu
433      245             250             255
435 Thr Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp Arg Ser Gly Leu
436      260             265             270
438 Ser Thr Gly His Trp Ser Gly Glu Val Asn Asp Lys Asn Ile Gln Val
439      275             280             285
441 Val Glu Leu Pro Ile Val Asp Ser Leu His Pro Arg Pro Pro Tyr Leu
442      290             295             300
444 Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Leu Arg Val His
445      305             310             315             320
447 Gly Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val Lys Tyr Leu Ile
448      325             330             335
450 Arg Pro Gln Pro Trp Leu Glu Lys Glu Ile Glu Glu Ala Thr Lys Lys
451      340             345             350
453 Leu Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp

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TIME: 16:09:54

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04242006\J575096.raw

454 355 360 365
 456 Lys Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val
 457 370 375 380
 459 His Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp
 460 385 390 395 400
 462 Lys Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Thr Leu Leu Lys Glu
 463 405 410 415
 465 Ala Lys Thr Lys Tyr Ser Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile
 466 420 425 430
 468 Ser Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg
 469 435 440 445
 471 Gly Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val
 472 450 455 460
 474 Cys Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln
 475 465 470 475 480
 477 Thr Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile
 478 485 490 495
 480 Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Val Tyr Pro
 481 500 505 510
 483 His Lys Pro Arg Thr Glu Glu Glu Ile Pro Met Glu Pro Gly Asp Ile
 484 515 520 525
 486 Ile Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser Lys Gly Ile Asn
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 492 Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Glu Lys
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 496 <210> SEQ ID NO: 7
 497 <211> LENGTH: 575
 498 <212> TYPE: PRT
 E--> 499 <214> Rattus norvegicus
 501 <400> SEQUENCE: 7
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 505 Ala Trp Gly Thr Leu Leu Phe Tyr Ile Gly Gly His Leu Val Arg Asp
 506 20 25 30
 508 Asn Asp His Pro Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala
 509 35 40 45
 511 Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
 512 50 55 60
 514 Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Thr Ala Thr
 515 65 70 75 80
 517 Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys Ala Lys Glu Gln
 518 85 90 95
 520 Ile Glu Asn Tyr Lys Lys Gln Ala Arg Asn Gly Leu Gly Lys Asp His
 521 100 105 110
 523 Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe
 524 115 120 125

575 ← insert

see p. 6

RAW SEQUENCE LISTING

DATE: 04/24/2006

PATENT APPLICATION: US/10/575,096

TIME: 16:09:54

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04242006\J575096.raw

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532 Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala
533      165      170      175
535 Gly Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln
536      180      185      190
538 Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Arg
539      195      200      205
541 Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu
542      210      215      220
544 His His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly Thr Gln Arg Thr
545 225      230      235      240
547 Leu Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr Gly Gly Trp Glu
548      245      250      255
550 Thr Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp Arg Ser Gly Leu
551      260      265      270
553 Ser Thr Gly His Trp Ser Gly Glu Val Asn Asp Lys Asn Ile Gln Val
554      275      280      285
556 Val Glu Leu Pro Ile Val Asp Ser Leu His Pro Arg Pro Pro Tyr Leu
557      290      295      300
559 Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Val Arg Val His
560 305      310      315      320
562 Gly Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val Lys Tyr Leu Ile
563      325      330      335
565 Arg Pro Gln Pro Trp Leu Glu Lys Glu Ile Glu Glu Ala Thr Lys Lys
566      340      345      350
568 Leu Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp
569      355      360      365
571 Lys Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val
572      370      375      380
574 His Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp
575 385      390      395      400
577 Lys Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Ala Leu Leu Lys Glu
578      405      410      415
580 Ala Lys Thr Lys Tyr Ser Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile
581      420      425      430
583 Ser Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg
584      435      440      445
586 Gly Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val
587      450      455      460
589 Cys Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln
590 465      470      475      480
592 Thr Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile
593      485      490      495
595 Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Val Tyr Pro
596      500      505      510
598 His Lys Pro Arg Thr Asp Glu Glu Ile Pro Met Glu Pro Gly Asp Ile

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RAW SEQUENCE LISTING

DATE: 04/24/2006

PATENT APPLICATION: US/10/575,096

TIME: 16:09:54

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04242006\J575096.raw

599 515 520 525
 601 Ile Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser Lys Gly Val Asn
 602 530 535 540
 604 Arg Lys Leu Gly Lys Thr Gly Leu Tyr Pro Ser Tyr Lys Val Arg Glu
 605 545 550 555 560
 607 Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Glu Lys
 E--> 608 565 570 575 ← insert
 611 <210> SEQ ID NO: 8
 612 <211> LENGTH: 575
 613 <212> TYPE: PRT
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 616
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 621 20 25 30
 623 Asn Asp His Pro Asp His Ser Ser Arg Glu Leu Ser Lys Ile Leu Ala
 624 35 40 45
 626 Lys Leu Glu Arg Leu Lys Gln Gln Asn Glu Asp Leu Arg Arg Met Ala
 627 50 55 60
 629 Glu Ser Leu Arg Ile Pro Glu Gly Pro Ile Asp Gln Gly Pro Ala Ile
 630 65 70 75 80
 632 Gly Arg Val Arg Val Leu Glu Glu Gln Leu Val Lys Ala Lys Glu Gln
 633 85 90 95
 635 Ile Glu Asn Tyr Lys Lys Gln Thr Arg Asn Gly Leu Gly Lys Asp His
 636 100 105 110
 638 Glu Ile Leu Arg Arg Arg Ile Glu Asn Gly Ala Lys Glu Leu Trp Phe
 639 115 120 125
 641 Phe Leu Gln Ser Glu Leu Lys Lys Leu Lys Asn Leu Glu Gly Asn Glu
 642 130 135 140
 644 Leu Gln Arg His Ala Asp Glu Phe Leu Leu Asp Leu Gly His His Glu
 645 145 150 155 160
 647 Arg Ser Ile Met Thr Asp Leu Tyr Tyr Leu Ser Gln Thr Asp Gly Ala
 648 165 170 175
 650 Gly Asp Trp Arg Glu Lys Glu Ala Lys Asp Leu Thr Glu Leu Val Gln
 651 180 185 190
 653 Arg Arg Ile Thr Tyr Leu Gln Asn Pro Lys Asp Cys Ser Lys Ala Lys
 654 195 200 205
 656 Lys Leu Val Cys Asn Ile Asn Lys Gly Cys Gly Tyr Gly Cys Gln Leu
 657 210 215 220
 659 His His Val Val Tyr Cys Phe Met Ile Ala Tyr Gly Thr Gln Arg Thr
 660 225 230 235 240
 662 Leu Ile Leu Glu Ser Gln Asn Trp Arg Tyr Ala Thr Gly Gly Trp Glu
 664 245 250 255
 666 Thr Val Phe Arg Pro Val Ser Glu Thr Cys Thr Asp Arg Ser Gly Ile
 667 260 265 270
 669 Ser Thr Gly His Trp Ser Gly Glu Val Lys Asp Lys Asn Val Gln Val
 670 275 280 285

C2137

same end
 in sequence 4
 see p. 7

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/575,096

DATE: 04/24/2006

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Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04242006\J575096.raw

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673      290      295      300
675 Pro Leu Ala Val Pro Glu Asp Leu Ala Asp Arg Leu Val Arg Val His
676 305      310      315      320
678 Gly Asp Pro Ala Val Trp Trp Val Ser Gln Phe Val Lys Tyr Leu Ile
679      325      330      335
681 Arg Pro Gln Pro Trp Leu Glu Lys Glu Ile Glu Glu Ala Thr Lys Lys
682      340      345      350
684 Leu Gly Phe Lys His Pro Val Ile Gly Val His Val Arg Arg Thr Asp
685      355      360      365
687 Lys Val Gly Thr Glu Ala Ala Phe His Pro Ile Glu Glu Tyr Met Val
688      370      375      380
690 His Val Glu Glu His Phe Gln Leu Leu Ala Arg Arg Met Gln Val Asp
691 385      390      395      400
693 Lys Lys Arg Val Tyr Leu Ala Thr Asp Asp Pro Ser Leu Leu Lys Glu
694      405      410      415
696 Ala Lys Thr Lys Tyr Pro Asn Tyr Glu Phe Ile Ser Asp Asn Ser Ile
697      420      425      430
699 Ser Trp Ser Ala Gly Leu His Asn Arg Tyr Thr Glu Asn Ser Leu Arg
700      435      440      445
702 Gly Val Ile Leu Asp Ile His Phe Leu Ser Gln Ala Asp Phe Leu Val
703      450      455      460
705 Cys Thr Phe Ser Ser Gln Val Cys Arg Val Ala Tyr Glu Ile Met Gln
706 465      470      475      480
708 Thr Leu His Pro Asp Ala Ser Ala Asn Phe His Ser Leu Asp Asp Ile
709      485      490      495
711 Tyr Tyr Phe Gly Gly Gln Asn Ala His Asn Gln Ile Ala Ile Tyr Ala
712      500      505      510
714 His Gln Pro Arg Thr Ala Asp Glu Ile Pro Met Glu Pro Gly Asp Ile
715      515      520      525
717 Ile Gly Val Ala Gly Asn His Trp Asp Gly Tyr Ser Lys Gly Val Asn
718      530      535      540
720 Arg Lys Leu Gly Arg Thr Gly Leu Tyr Pro Ser Tyr Lys Val Arg Glu
721 545      550      555      560
723 Lys Ile Glu Thr Val Lys Tyr Pro Thr Tyr Pro Glu Ala Glu Lys
E--> 724      565      570

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5756-1221

10/575,096 8

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Met Trp Gln Leu Leu Leu Pro Thr Ala Leu Leu Leu

1 ± 5 - 10 -10

misaligned numbers

10/575,096

9

<400> 53

gaa ttc ggc atc atg tgg cag ctg ctc ctc cca act gct ctg cta ctt 48

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7 7

5 5

10 10

misaligned numbers

<210> 54 *last sequence in file*
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 <212> PRT
 <213> Homo sapiens

<400> 54

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		20						25					30	Pro
Gln	Trp	Tyr	Arg	Val	Leu	Glu	Lys	Asp	Ser	Val	Thr	Leu	Lys	Cys
	35						40					45		Gln
Gly	Ala	Tyr	Ser	Pro	Glu	Asp	Asn	Ser	Thr	Gln	Trp	Phe	His	Asn
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Ser	Leu	Ile	Ser	Ser	Gln	Ala	Ser	Ser	Tyr	Phe	Ile	Asp	Ala	Ala
65					70				75					80
Val	Asp	Asp	Ser	Gly	Glu	Tyr	Arg	Cys	Gln	Thr	Asn	Leu	Ser	Thr
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Ser	Asp	Pro	Val	Gln	Leu	Glu	Val	His	Ile	Gly	Trp	Leu	Leu	Leu
		100						105					110	Gln
Ala	Pro	Arg	Trp	Val	Phe	Lys	Glu	Glu	Asp	Pro	Ile	His	Leu	Arg
	115						120					125		Cys
His	Ser	Trp	Lys	Asn	Thr	Ala	Leu	His	Lys	Val	Thr	Tyr	Leu	Gln
	130					135					140			Asn
Gly	Lys	Gly	Arg	Lys	Tyr	Phe	His	His	Asn	Ser	Asp	Phe	Tyr	Ile
145					150				155					160
Lys	Ala	Thr	Leu	Lys	Asp	Ser	Gly	Ser	Tyr	Phe	Cys	Arg	Gly	Leu
			165					170					175	Phe
Gly	Ser	Lys	Asn	Val	Ser	Ser	Glu	Thr	Val	Asn	Ile	Thr	Ile	Thr
			180					185					190	Gln
Gly	His	His	His	His	His	His								
			195											

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delete

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/575,096

DATE: 04/24/2006

TIME: 16:09:55

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\04242006\J575096.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
 L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 L:378 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:5
 L:493 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:6
 L:499 M:250 E: Invalid Numeric Identifier, INVALID IDENTIFIER
 L:501 M:282 E: Numeric Field Identifier Missing, <213> is required.
 L:608 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7
 L:614 M:250 E: Invalid Numeric Identifier, INVALID IDENTIFIER
 L:616 M:282 E: Numeric Field Identifier Missing, <213> is required.
 L:724 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:8
 L:1044 M:283 W: Missing Blank Line separator, <220> field identifier
 L:1045 M:283 W: Missing Blank Line separator, <400> field identifier
 L:1114 M:283 W: Missing Blank Line separator, <220> field identifier
 L:1241 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1244 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1247 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1250 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1253 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1256 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1259 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1262 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1265 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1268 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1271 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1274 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1277 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1280 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1283 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:50
 L:1355 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1358 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1361 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1364 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1367 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1370 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1373 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1376 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1379 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1382 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1385 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:1388 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:53
 L:13 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (35) Counted
 (54)